

Skills for a Low Carbon Economy: **what next?**

Skills for Disruptive Innovation

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Challenges...

"Over half of Europeans (250 million) go online every day but 150 million Europeans – some 30% - have never used the internet."

EU Digital Agenda, May 2010

"Europe is suffering from a growing professional ICT skills shortage and could lack the competent practitioners to fill as many as 700,000 IT jobs by 2015"

Commissioner Neelie Kroes, May 2010

As the EU moves towards a knowledge-based economy, jobs requiring a high level of education will rise from 25% to 31% (EU Commission forecasts)

"Within 5 years 90 per cent of jobs will require ICT skills, across all sectors, making skills, training and education in ICT a critical priority for employment and job prospects"

IDC Report - Post Crisis: e-Skills are Needed to Drive Europe's Innovation Society. Dec 2009

23 million unemployed in EU 27. Youth Employment stands at 21%. In Spain this exceeds 40%! Eurostat

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Challenges...

EU of the 32m students male to female is roughly 50-50. But women in STEM studies are:

- 19% Engineering
- 24% Computing
- 35% Architecture / Building

Source: DG EAC / Eurostat

Women account for over 50% of the student population and obtain 43% of PhD-level degrees, but on average they only obtain 15% of senior academic positions

Source: SheFigures 2006 study

Innovative education

Microsoft Partners In Learning – helping educators connect & collaborate; Employing technology throughout learning process.

- **Programmes: Partners in Learning – currently impacts 192 teachers and students at more than 2,000 schools in 114 countries**
- **Microsoft is committed to education with more than 800 employees around the world focused on education and the Partners in Learning initiative reaching, 300,000 institutions in 114 countries**
- **2006 through the launch of the European Alliance on Skills for Employability to provide access to technology and skills training for 20 million Europeans.**

DigiGirlz Day

- **A one-day event designed by Microsoft to provide high school girls with a better understanding of what a career in technology is all about.**
- **During the event, students interact with Microsoft employees and managers and guest speakers to gain exposure to careers in business and technology and to get an inside look at what it's like to work at Microsoft. This event provides girls with career planning assistance, information about technology and business roles, thought-provoking exercises, and interesting Microsoft product demonstrations. By participating in the Microsoft DigiGirlz Day, young women can find out about the variety of opportunities available in the high-tech industry and can explore future career paths. On-line DigiGirlz courses are as well available.**
- **In 2011, there were over 5,100 participants involved in the program**

Connecting New Skills with New Opportunities



Students to Business (S2B)

Connecting students to industry using an **online job matching tool**.

www.microsoft.com/studentstobusiness

More than 300,000 students globally have been connected with new career skills, leading to 15,000 students with jobs and internships in **13 countries across the EU**.

- **Imagine Cup**

'The World Cup of Technology' that orientates youth to address big sustainability challenges by using **new technologies combined with entrepreneurial ideas**.

www.imaginecup.com

E.g Mobile healthcare apps for the partially sighted



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Thank You